

**Kingsford Field Office
Dickinson, Gogebic and Iron Counties**

| Component Costs, August 2002 | Unit | Cost per Unit |
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| Aerators for commercial fish ponds | ea. | \$700.00 |
| Aggregate, Crushed Limestone, 9-inch thick, with Class IV Woven Geotextile, Installed (Heavy Use Area) | cu. yd. | \$34.00 |
| Agrichemical Containment Facility, Building ONLY, for Pesticide Containment and/or Mix-Load, Installed (floor and liner/sealer extra) | sq. ft. | ask Eng. |
| Agrichemical Containment Facility, Concrete Sealer, Installed | sq. ft. | \$1.50 |
| Agrichemical Containment Facility, EPDM Liner, Installed | sq. ft. | \$1.50 |
| Agrichemical Containment Facility, HDPE Liner, Installed | sq. ft. | \$2.50 |
| Agrichemical Containment Facility, Non-Reinforced Concrete Floor, Reinforced Concrete Walls, Installed (liner extra) | sq. ft. | \$11.00 |
| Agrichemical Containment Facility, Non-Reinforced Concrete Floor, Timber Walls, Installed (liner extra) | sq. ft. | \$10.00 |
| Agrichemical Containment Facility, Prefabricated Sump with Grate, Installed | ea. | \$1,000.00 |
| Agrichemical Containment Facility, Reinforced Concrete Floor, Concrete Block (2 ft. x 2 ft. x 4 ft. or x 6 ft.) Walls, Installed (liner extra) | sq. ft. | \$11.00 |
| Agrichemical Containment Facility, Reinforced Concrete Floor, Reinforced Concrete Walls, Installed (liner or sealer extra) | sq. ft. | \$12.00 |
| Agrichemical Containment Facility, Reinforced Concrete Floor, Timber Walls, Installed (liner extra) | sq. ft. | \$8.50 |
| Agrichemical Containment Facility, with Earth Berm, Installed (liner extra) | sq. ft. | \$1.50 |
| Aquatic Plant Establishment | ac. | |
| Aquatic Weed Control - Chemical | ac. | |
| Aquatic Weed Control - Habitat Manipulation | ac. | |
| Aquatic Weed Control - Mechanical | ac. | |
| Backhoe, Hydraulic, Track Mounted, with Operator | hr. | \$120.00 |
| Backhoe/Loader, Tractor-type, with Operator | hr. | \$80.00 |
| Bioengineering, Brush Layering | sq. yd. | ask Eng. |
| Bioengineering, Brush Mattress | | ask Eng. |
| Bioengineering, Cribwall, Live | | ask Eng. |
| Bioengineering, Fachines, Live | ft. | ask Eng. |
| Bioengineering, In Stream Rock Structures (Barbs, etc.) | ea. | ask Eng. |
| Bioengineering, Root Wads | ea. | ask Eng. |
| Bioengineering, Staking, Live | ea. | ask Eng. |
| Bioengineering, Tree Revetments | | ask Eng. |
| Bioengineering, Vegetated Geogrid | | ask Eng. |
| Biological treatment - pest management | ac. | Ask Agr. |
| Bituminous Pavement, 3-inch thick, Installed | sq. ft. | \$1.35 |
| Burning for prescribed burning | ac. | \$500.00 |
| Chemical application for burndown | ac. | \$60.00 |
| Chemical Weed Control | ac. | \$40.00 |
| Concrete Block Chute, with Geotextile, Installed | sq. ft. | ask Eng. |
| Concrete Blocks, 2 ft. x 2 ft. x 4 ft., Installed | ea. | \$60.00 |
| Concrete Blocks, 2 ft. x 2 ft. x 6 ft., Installed | ea. | \$60.00 |
| Concrete, Non-Reinforced, 4-inch Thick over Compacted Sand, Flatwork, Installed | sq. ft. | \$2.25 |

**Kingsford Field Office
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| Concrete, Non-Reinforced, 5-inch Thick over Compacted Sand, Flatwork, Installed | sq. ft. | \$2.90 |
| Concrete, Non-Reinforced, Low Slump, 4-inch Thick, Flat or Slope, Installed | sq. ft. | \$2.50 |
| Concrete, Non-Reinforced, Low Slump, 5-inch Thick, Flat or Slope, Installed | sq. ft. | \$3.10 |
| Concrete, Reinforced, Cast In Place, Flat or Slope Installed | cu. yd. | \$200.00 |
| Concrete, Reinforced, Cast In Place, Walls between 2 feet and 4 feet high, Installed | cu. yd. | \$300.00 |
| Concrete, Reinforced, Cast In Place, Walls greater than 4 feet high, Installed | cu. yd. | \$400.00 |
| Concrete, Reinforced, Cast In Place, Walls less than 2 feet high, Installed | cu. yd. | \$230.00 |
| Conservation Crop Rotation | ac. | \$7.00 |
| Contour Establishment for 330 | ac. | \$10.00 |
| Corn cobs, sawdust or gravel, installed | ac. | N/A |
| Corridor Establishment | ft. | Ask Bio. |
| Cultural Grazing | ac. | \$15.00 |
| Cultural Grazing (temporary fence) | ac. | \$15.00 |
| Cultural Grazing (temporary water) | ft. | \$0.15 |
| Deep Plowing | ac. | \$15.00 |
| Deflectors for stream habitat improvement | ft. | Ask Bio. |
| Dewatering | hr. | ask Eng. |
| Disking | ac. | \$12.00 |
| Dozer, 105 HP, with Operator | hr. | \$105.00 |
| Dozer, 200 HP, with Operator | hr. | \$180.00 |
| Dozer, 75 HP, with Operator | hr. | \$75.00 |
| Dry Hydrant, with Head, Cap, and Strainer, incl. Fittings, Installed | ea. | \$3,000.00 |
| Dump Truck, 12 Cu.Yd., with Operator | hr. | \$80.00 |
| Dump Truck, 6 Cu.Yd., with Operator | hr. | \$65.00 |
| Earthfill, Compacted, Off-site Material (3 mile haul) | cu. yd. | \$13.00 |
| Earthfill, Compacted, On-site Material | cu. yd. | \$5.00 |
| Excavation, Common | cu. yd. | \$3.50 |
| Excavation, Rock | cu. yd. | \$7.00 |
| Excavation, Wet | cu. yd. | \$9.00 |
| Fencing, 3 strand barbed wire, Installed | ft. | \$0.90 |
| Fencing, Electric, Single Strand, Smooth Wire, Installed | ft. | \$1.10 |
| Fencing, For Elk, etc. Woven Wire panels up to 10 ft., Installed | ft. | |
| Fencing, Smooth 5-Wire, Installed | ft. | \$1.50 |
| Fencing, Woven Wire, Installed | ft. | \$2.75 |
| Firebreak, Permanent Vegetative Seeding (grasses or forbes) | ac. | \$200.00 |
| Fish - stocking | ea. | Ask Bio. |
| Forest Site Preparation, Hand-Chemical (includes equipment and labor) | ac. | \$120.00 |
| Forest Site Preparation, Machine-Chemical (includes equipment and labor) | ac. | \$250.00 |
| Forest Site Preparation, Machine-Mechanical (includes equipment and labor) | ac. | \$100.00 |
| Forest Trail and Walkway, Broad-based Dip, Water Bar, Opentop box culvert corrugated metal pipe with rip-rap outlet | ea. | \$450.00 |

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| Geotextile Reinforced Vegetated Chute, Installed (including Earthwork, Geotextile, Erosion Control Blanket, and Seeding with Fertilizer, etc.) | sq. ft. | \$5.00 |
| Grading and Shaping, Diversion, Installed | lin. ft. | \$4.00 |
| Grading and Shaping, Grassed Filter Strip Area (Not Channelized) [standard 780], Installed | lin. ft. | ask Eng. |
| Grading and Shaping, Grassed Channelized Filter Strip (up to 40 feet wide) [standard 780], Installed | lin. ft. | \$6.00 |
| Grading and Shaping, Grassed Waterway, Installed | lin. ft. | \$4.00 |
| Grain Food Plots | ac. | \$150.00 |
| Gravel, 22A or 23 A (Road Gravel), Installed | cu. yd. | \$23.00 |
| Gravel, Bank Run, Installed | cu. yd. | \$18.00 |
| Gravel, Drain Fill, Installed | cu. yd. | \$27.00 |
| Herbaceous cover cool season annual species, preparation, seed, fertilizer and planting | ac. | \$250.00 |
| Herbaceous cover cool season, perennial preparation, seed, fertilizer and planting | ac. | \$250.00 |
| Herbaceous cover warm season, annual, preparation, seed, fertilizer and planting | ac. | \$450.00 |
| Herbaceous cover warm season, perennial, preparation, seed, fertilizer and planting | ac. | \$450.00 |
| Herbaceous plants and hand planting | ea. | \$2.50 |
| Herbaceous wind barrier, Annual cool season, site preparation, seed, fertilizer, planting | ac. | \$325.00 |
| Herbaceous wind barrier, Annual warm season, site preparation, seed, fertilizer, planting | ac. | \$450.00 |
| Herbaceous wind barrier, perennial cool season, site preparation, seed, fertilizer, planting | ac. | \$140.00 |
| Herbaceous wind barrier, Perennial warm season, site preparation, seed, fertilizer, planting | ac. | \$250.00 |
| Herbicides and application (hand) | ac. | \$200.00 |
| Herbicides and application (machine) | ac. | \$60.00 |
| Instream Woody Cover | sq. yd. | Ask Bio. |
| Irrigation System, Big Gun (traveler), Nozzles, Fittings, etc., Installed | ac. | \$700.00 |
| Irrigation System, Center Pivot System, Nozzles, Fittings, etc., Installed | ac. | \$700.00 |
| Irrigation System, Linear Move System, Nozzles, Fittings, etc., Installed | ac. | \$800.00 |
| Irrigation System, Micro Tubing, Emitters, Nozzles, Fittings, etc., Installed | ac. | \$1,600.00 |
| Irrigation System, Microirrigation (tape) , Emitters, Fittings, etc. Installed | ac. | \$1,500.00 |
| Irrigation System, Side Roll, Nozzles, Fittings, etc., Installed | ac. | \$650.00 |
| Irrigation System, Solid Set System, Nozzles, Fittings, etc., Installed | ac. | \$2,300.00 |
| Layout of contour strips - stripcropping 585 | ac. | \$10.00 |
| Linear Channel Concrete for Fish Raceway | ft. | Ask Bio. |
| Linear Channel Earthen for Fish Raceway | ft. | Ask Bio. |
| Lunker Structures | ft. | Ask Bio. |
| Mechanical Machine scalping (if not done during planting process) | ac. | \$45.00 |
| Mechanical treatment - brush & pest management | ac. | \$100.00 |
| Metal Fabrication, Installed | ea. | ask Eng. |

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| Mowing | ac. | \$25.00 |
| Mulch, installed (includes labor) | sq. ft. | \$0.08 |
| Native grass drill delivery fee | ea. | \$300.00 |
| Native grass seeding includes fertilizer, seed, labor and equipment | ac. | \$350.00 |
| Native prairie planting | ac. | \$400.00 |
| Nesting Structures (platforms, boxes) | ea. | \$65.00 |
| No-Till, spray, seed, fertilizer, planting and weed control | ac. | \$275.00 |
| Pasture and Hayland planting, Heavy soil disturbance, seedbed preparation, seed, seeding and herbicides including application | ac. | \$250.00 |
| Pasture and Hayland Planting, Light soil disturbance, seedbed preparation, seed, seeding and herbicides including application | ac. | \$200.00 |
| Pasture and Hayland Planting, Medium soil disturbance, seedbed preparation, seed, seeding and herbicides including application | ac. | \$200.00 |
| Pest protection for trees/shrubs, fabric weed barrier | ea. | \$2.00 |
| Pest protection for trees/shrubs, Organic Mulch | cu. yd. | \$9.00 |
| Pest protection, tree protectors (tubes, plastic rodent protectors, plastic mesh, wire mesh) includes installation with wood or metal stakes | ea. | \$4.00 |
| Pipe Arch, Aluminum, Installed | lin. ft. | ask Eng. |
| Pipe Arch, Reinforced Concrete, Installed | lin. ft. | ask Eng. |
| Pipe Trenching, (w/Backhoe) | lin. ft. | \$2.50 |
| Pipe Trenching, (w/Trencher) | lin. ft. | \$1.50 |
| Pipe, Corrugated Metal, 10-inch, Incl. Fittings, Installed | lin. ft. | \$8.00 |
| Pipe, Corrugated Metal, 12-inch, Incl. Fittings, Installed | lin. ft. | \$9.00 |
| Pipe, Corrugated Metal, 15-inch, Incl. Fittings, Installed | lin. ft. | \$9.50 |
| Pipe, Corrugated Metal, 18-inch, Incl. Fittings, Installed | lin. ft. | \$10.00 |
| Pipe, Corrugated Metal, 24-inch, Incl. Fittings, Installed | lin. ft. | \$12.00 |
| Pipe, Corrugated Metal, 30-inch, Incl. Fittings, Installed | lin. ft. | \$17.00 |
| Pipe, Corrugated Metal, 36-inch, Incl. Fittings, Installed | lin. ft. | \$30.00 |
| Pipe, Corrugated Metal, 6-inch, Incl. Fittings, Installed | lin. ft. | \$6.00 |
| Pipe, Corrugated Metal, 8-inch, Incl. Fittings, Installed | lin. ft. | \$7.00 |
| Pipe, Corrugated Plastic (Dual Wall), 10-inch, Incl. Fittings, Installed | lin. ft. | \$6.00 |
| Pipe, Corrugated Plastic (Dual Wall), 12-inch, Incl. Fittings, Installed | lin. ft. | \$7.00 |
| Pipe, Corrugated Plastic (Dual Wall), 15-inch, Incl. Fittings, Installed | lin. ft. | \$8.00 |
| Pipe, Corrugated Plastic (Dual Wall), 18-inch, Incl. Fittings, Installed | lin. ft. | \$10.00 |
| Pipe, Corrugated Plastic (Dual Wall), 24-inch, Incl. Fittings, Installed | lin. ft. | \$14.00 |
| Pipe, Corrugated Plastic (Dual Wall), 30-inch, Incl. Fittings, Installed | lin. ft. | \$21.00 |
| Pipe, Corrugated Plastic (Dual Wall), 36-inch, Incl. Fittings, Installed | lin. ft. | \$27.00 |
| Pipe, Corrugated Plastic (Dual Wall), 4-inch, Incl. Fittings, Installed | lin. ft. | \$3.00 |
| Pipe, Corrugated Plastic (Dual Wall), 6-inch, Incl. Fittings, Installed | lin. ft. | \$4.00 |
| Pipe, Corrugated Plastic (Dual Wall), 8-inch, Incl. Fittings, Installed | lin. ft. | \$5.00 |
| Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 10-inch, Incl. Fittings, Installed | lin. ft. | \$6.00 |
| Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 12-inch, Incl. Fittings, Installed | lin. ft. | \$7.00 |
| Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 4-inch, Incl. Fittings, Installed | lin. ft. | \$3.00 |
| Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 6-inch, Incl. Fittings, Installed | lin. ft. | \$4.00 |

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| Pipe, Corrugated Plastic Tubing (Single Wall, Perforated or non-Perforated), 8-inch, Incl. Fittings, Installed | lin. ft. | \$5.00 |
| Pipe, Manhole, Reinforced Concrete, with grate or cover, Installed | ea. | ask Eng. |
| Pipe, PE, 1-1/2-inch, Incl. Fittings, Installed (water supply) | lin. ft. | \$1.75 |
| Pipe, PE, 1-1/4-inch, Incl. Fittings, Installed (water supply) | lin. ft. | \$1.50 |
| Pipe, PE, 1-inch, Incl. Fittings, Installed (water supply) | lin. ft. | \$1.25 |
| Pipe, PE, 2-inch, Incl. Fittings, Installed (water supply) | lin. ft. | \$2.00 |
| Pipe, PVC, SCH-40, 10-inch, Incl. Fittings, Installed | lin. ft. | \$5.00 |
| Pipe, PVC, SCH-40, 4-inch, Incl. Fittings, Installed | lin. ft. | \$3.00 |
| Pipe, PVC, SCH-40, 6-inch, Incl. Fittings, Installed | lin. ft. | \$4.00 |
| Pipe, PVC, SCH-40, 8-inch, Incl. Fittings, Installed | lin. ft. | \$4.50 |
| Pipe, Reinforced Concrete, 12-inch, Incl. Fittings, Installed | lin. ft. | ask Eng. |
| Pipe, Reinforced Concrete, 18-inch, Incl. Fittings, Installed | lin. ft. | ask Eng. |
| Pipe, Reinforced Concrete, 24-inch, Incl. Fittings, Installed | lin. ft. | ask Eng. |
| Pipe, Reinforced Concrete, 30-inch, Incl. Fittings, Installed | lin. ft. | ask Eng. |
| Pipe, Reinforced Concrete, 36-inch, Incl. Fittings, Installed | lin. ft. | ask Eng. |
| Pipeline Mechanical Station, with Pressure Tank and Appurtenances, Installed (for Watering Facility) | ea. | ask. Eng. |
| Pond Sealing and Lining, Bentonite-Soil Mixture, incl. Materials and Labor, Installed (at 3 lbs Bentonite per sq. ft.) | sq. ft. | \$3.50 |
| Pond Sealing and Lining, Earthfill, Clay Liner, Off-site Clay Material (10-mile haul), Installed | cu. yd. | \$15.00 |
| Pond Sealing and Lining, Earthfill, Clay Liner, On-site Clay Material, Installed | cu. yd. | \$5.00 |
| Pond Sealing and Lining, EPDM (45 mil), incl. Materials and Labor, Installed | sq. ft. | \$2.00 |
| Pond Sealing and Lining, Geosynthetic Clay Liner, incl. Materials and Labor, Installed | sq. ft. | \$3.00 |
| Pond Sealing and Lining, HDPE (40 mil), incl. Materials and Labor, Installed | sq. ft. | \$1.75 |
| Pond Sealing and Lining, HDPE (60 mil), incl. Materials and Labor, Installed | sq. ft. | \$2.50 |
| Pond Sealing and Lining, Soil Dispersant, incl. Materials and Labor, Installed | sq. ft. | \$3.50 |
| Pump Station, incl. Materials and Labor, Installed | ea. | ask Eng. |
| Ram Pump, Livestock Water, Complete, Installed | ea. | \$1,500.00 |
| Ripping for Deep Tillage | ac. | \$25.00 |
| Riser, Corrugated Metal, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$1,060.00 |
| Riser, Corrugated Metal, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$1,174.00 |
| Riser, Corrugated Metal, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$1,480.00 |
| Riser, Corrugated Metal, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$1,570.00 |
| Riser, Corrugated Metal, 36-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$2,000.00 |
| Riser, Corrugated Metal, 36-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$1,800.00 |

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| Riser, Corrugated Metal, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$2,200.00 |
| Riser, Corrugated Metal, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$2,400.00 |
| Riser, Corrugated Plastic, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$1,000.00 |
| Riser, Corrugated Plastic, 24-inch Dia., with 18-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$1,160.00 |
| Riser, Corrugated Plastic, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$1,166.00 |
| Riser, Corrugated Plastic, 30-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$1,366.00 |
| Riser, Corrugated Plastic, 36-inch Dia., with 24-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$2,074.00 |
| Riser, Corrugated Plastic, 36-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$1,856.00 |
| Riser, Corrugated Plastic, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 5-feet High, Installed | ea. | \$2,200.00 |
| Riser, Corrugated Plastic, 42-inch Dia., with 30-inch Dia. Stub, Antivortex and Trash Guard, 8-feet High, Installed | ea. | \$2,400.00 |
| Rock Riprap, D-50 = 12 inch, with Geotextile, Installed | cu. yd. | \$42.00 |
| Rock Riprap, D-50 = 15 inch, with Geotextile, Installed | cu. yd. | \$42.00 |
| Rock Riprap, D-50 = 18 inch, with Geotextile, Installed | cu. yd. | \$42.00 |
| Rock Riprap, D-50 = 4 inch, with Geotextile, Installed | cu. yd. | \$42.00 |
| Rock Riprap, D-50 = 6 inch, with Geotextile, Installed | cu. yd. | \$42.00 |
| Rock Riprap, D-50 = 9 inch, with Geotextile, Installed | cu. yd. | \$42.00 |
| Rodent Guard, 10-inch, Installed | ea. | \$14.00 |
| Rodent Guard, 12-inch, Installed | ea. | \$15.00 |
| Rodent Guard, 15-inch, Installed | ea. | \$22.00 |
| Rodent Guard, 4-inch, Installed | ea. | \$10.00 |
| Rodent Guard, 6-inch, Installed | ea. | \$12.00 |
| Rodent Guard, 8-inch, Installed | ea. | \$13.00 |
| Roof Gutters, with downspouts, Installed | lin. ft. | \$6.00 |
| Roof, Hoop Structure, greater than 40 ft. span, Installed | sq. ft. | ask Eng. |
| Roof, Hoop Structure, up to 40 ft. span, Installed | sq. ft. | \$5.00 |
| Roof, Truss Structure, greater than 40 ft. span, Installed | sq.ft. | ask Eng. |
| Roof, Truss Structure, up to 40 ft. span, Installed | sq. ft. | \$6.00 |
| Row-Till for Deep Tillage | ac. | \$25.00 |
| Salvaging and Spreading Topsoil | cu. yd. | \$4.50 |
| Scouting, traps, baits, etc., - pest management | ac. | \$4.00 |
| Seed, Mulch and Fertilizer (includes labor) forest site | ac. | \$500.00 |
| Seedbed Preparation forest site | ac. | \$100.00 |
| Seeding, Cool Season, Drill or Broadcast, with Seedbed Preparation, Fertilizer and Mulch, Installed | ac. | \$440.00 |
| Seeding, Drill or Broadcast, with Seedbed Preparation, Fertilizer, Mulch and Netting, Installed | ac. | \$650.00 |
| Seeding, Hydroseed, with Seedbed Preparation, Fertilizer and Mulch, Installed | ac. | \$650.00 |
| Seeding, Warm Season, Drill or Broadcast, with Seedbed Preparation, Fertilizer and Mulch, Installed | ac. | \$650.00 |

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| Seeding, with Seedbed Preparation, Fertilizer, Mulch and Erosion Control Blanket, Installed | ac. | \$4,500.00 |
| Sheet Piling, Installed | ton | ask Eng. |
| Silt Fence, Installed | lin. ft. | \$1.50 |
| Site Preparation (Clearing and grubbing) | ac. | \$3,000.00 |
| Site Preparation for fence (Clearing and grubbing) | hr. | \$100.00 |
| Site preparation for stream habitat improvement | ac. | Ask Bio |
| Sodding | ac. | N/A |
| Soil test annually for vegetable, flower, ornamentals and shrubs, sampling, calibration of application equipment, recordkeeping | ac. | \$4.00 |
| Soil test including pre side dress nitrogen test, composite sampling, manure testing, calibration of application equipment, recordkeeping; manure and fertilizer use | ac. | \$4.50 |
| Soil test including pre side dress nitrogen test, grid sampling, manure testing, calibration of application equipment, recordkeeping; manure and fertilizer use | ac. | \$4.50 |
| Soil test, composite sampling, calibration of application equipment, recordkeeping; fertilizer use only | ac. | \$3.50 |
| Soil test, grid sampling, calibration of application equipment, recordkeeping; fertilizer use only | ac. | \$3.50 |
| Spoil Spreading | cu. yd. | \$3.50 |
| Spot or band spraying | ac. | \$200.00 |
| Spring Development, Complete System (does not include Tank or Trough), Installed | ea. | ask Eng. |
| Straw or hay mulch, installed | ac. | \$250.00 |
| Stream Crossing, with 1 foot thick Coarse Aggregate Ramp, Installed on mineral soil | sq. ft. | \$6.00 |
| Strip layout | ac. | \$10.00 |
| Structure Removal | ea. | ask Eng. |
| Structures (boxes, brush piles, etc.) | ea. | \$100.00 |
| Subsoiling | ac. | \$25.00 |
| Subsurface Drain Removal or Destruction (tile break) | ea. | \$1,000.00 |
| Surface Drain Filling (ditch plug) | ea. | \$1,000.00 |
| Surface Inlet, Perforated, incl., Fittings, Installed (for WASCObS and Terraces) | ea. | \$500.00 |
| Tank Raceway Concrete | gal. | Ask Bio |
| Tank Raceway Fiberglass | gal. | Ask Bio |
| Tank Raceway Metal | gal. | Ask Bio |
| Thinning (cutting or chemically killing trees or vines) Hardwood-Crop Tree Release (min. 20 sq. ft. b.a. removed) Poles (trees 5-11" DBH) | sq. ft. of b.a. removed | \$1.50 |
| Thinning (cutting or chemically killing trees or vines) Hardwood-Crop Tree Release (min. 20 sq. ft. b.a. removed) Saplings (trees under 5" DBH) | sq. ft. of b.a. removed | \$2.25 |
| Thinning (cutting or chemically killing trees or vines) Hardwood-Crop Tree Release (min. 20 sq. ft. b.a. removed) Saw timber size culls (trees over 11" DBH) | sq. ft. of b.a. removed | \$1.32 |
| Tillage | ac. | \$75.00 |
| Timber Fabrication, Treated, Installed | bd. ft. | ask Eng. |
| Timber harvesting | ac. | Ask For. |

**Kingsford Field Office
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| Tissue test for small fruit and tree crops, soil ph test, sampling, calibration of application equipment, recordkeeping | ac. | N/A |
| Tree Planting-Hand (includes scalping, equipment and labor) | ea. | \$0.30 |
| Tree Planting-Machine (includes scalping, equipment and labor) | ea. | \$0.20 |
| Tree Pruning - Trees 10 up to 18ft. (includes labor and equipment) | per tree | \$25.00 |
| Tree Pruning - Trees 18 ft. up to 26 ft. (includes labor and equipment) | per tree | \$75.00 |
| Tree Pruning - Trees up to 10 ft. (includes labor and equipment) | per tree | \$15.00 |
| Trees/Shrubs (see Alley Cropping) Bare root or Containerized Plugs | ea. | \$0.80 |
| Trees/Shrubs-conifer bare root or containerized plugs 2-0 to 3-0 stock | ea. | \$0.50 |
| Trees/Shrubs-deciduous | ea. | \$1.00 |
| Trough or Tank, Galv., 100 gal., with Gravel Pad, Installed | ea. | \$340.00 |
| Trough or Tank, Galv., 200 gal., with Gravel Pad, Installed | ea. | \$360.00 |
| Trough or Tank, Galv., 400 gal., with Gravel Pad, Installed | ea. | \$410.00 |
| Trough or Tank, Poly., 100 gal., with Gravel Pad, Installed | ea. | \$330.00 |
| Trough or Tank, Poly., 200 gal., with Gravel Pad, Installed | ea. | \$390.00 |
| Trough or Tank, Poly., 400 gal., with Gravel Pad, Installed | ea. | \$460.00 |
| Vegetative barrier, layout, site preparation, plant material plugs, hand planting and weed control | | site specific |
| Vegetative Control - Chemical | ac. | \$75.00 |
| Vegetative Control - Manual | ac. | \$45.00 |
| Vegetative Control - Mowing | ac. | \$20.00 |
| Vegetative Establishment - Native prairie | ac. | \$450.00 |
| Vegetative Establishment - Native shrub | ea. | \$1.50 |
| Vegetative Establishment - Native trees | ea. | \$0.90 |
| Vine Removal in forest | ea. | \$0.35 |
| Waste Storage Facility, Above Ground Circular Metal Structure, Installed | ea. | ask Eng. |
| Waste Storage Facility, Below Ground Reception Pit, Reinforced Concrete, with Pump and Appurtenances, Installed | ea. | ask Eng. |
| Water Control Structure, In-Line, 4-feet high, 10-inch pipe, Installed (pipe extra) | ea. | \$1,700.00 |
| Water Control Structure, In-Line, 4-feet high, 12-inch pipe, Installed (pipe extra) | ea. | \$1,800.00 |
| Water Control Structure, In-Line, 4-feet high, 18-inch pipe, Installed (pipe extra) | ea. | \$2,000.00 |
| Water Control Structure, In-Line, 4-feet high, 24-inch pipe, Installed (pipe extra) | ea. | \$2,500.00 |
| Water Control Structure, In-Line, 4-feet high, 6-inch pipe, Installed (pipe extra) | ea. | \$1,000.00 |
| Water Control Structure, In-Line, 4-feet high, 8-inch pipe, Installed (pipe extra) | ea. | \$1,600.00 |
| Weed Control for trees - Herbicides and application (hand) | ac. | \$200.00 |
| Weed Control for trees - Herbicides and application (machine) | ac. | \$100.00 |
| Weed Control for trees - Mechanical machine scalping (if not done during planting) | ac. | \$60.00 |
| Well Decommissioning, Bedrock Well | ea. | \$1,200.00 |
| Well Decommissioning, Dug Well | ea. | \$800.00 |
| Well Decommissioning, Sand/Gravel Well | ea. | \$400.00 |
| Well Pump, Deep Water, Installed | ea. | ask Eng. |
| Well Pump, Shallow Water, Installed | ea. | ask Eng. |

Kingsford Field Office
Dickinson, Gogebic and Iron Counties

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| Well, Drilled, 12-inch, Installed | lin. ft. | \$60.00 |
| Well, Drilled, 5-inch, Installed | lin. ft. | \$20.00 |
| Well, Drilled, 6-inch, Installed | lin. ft. | \$25.00 |
| Wildflower Planting | ac. | \$500.00 |
| Wood chips or bark, installed | ac. | Site spec. |
| Woody Plant Control | ac. | Site spec. |
| Zone Tillage or Para Plowing | ac. | \$20.00 |